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TABLE OF CONTENTS FOR THE BOOK 'WORKS OF THE CONFERENCE ON AIR
RADIO NAVIGATION'

author: Academician A. I. Berg, Editor

TABLE OF CONTENTS FOR THE BOOK 'AIR RADIO NAVIGATION IN PROBLEMS'
(A HANDBOOK FOR FLIGHT PERSONNEL)

author: Major G. N. Gordeyev

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Trudy konferentsii po vozdushnoy radionavigatsii, and
Vozdushnaya radionavigatsiya v zadachakh

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Academician A. I. Berg, Editor

This book represents reports of Soviet specialists at the Conference on Radio Navigation called by VNOR in 1947. These specialists had participated as delegates and guests in several conferences on radio navigation held in England, Canada, and the US.

The first of these conferences was the Third Imperial Conference of the CERCA (Commonwealth and Empire on Radio for Civil Aviation), held in London in July-August of 1945, at which the USSR was represented by several members of the military mission and the ^(Soviet) trade office in England. Two delegates were sent to the unofficial Conference of European Nations, held in London in February of 1946. The latter was practically a repetition of the Third Imperial Conference. Four delegates were sent to the more detailed demonstrations of radio and radio navigation equipment held in England, the US, and Canada in ~~September, October, and November~~ September, October, and November of 1946. The USSR did not participate in the conference of the PICAO (Provisional International Civil Aviation Organization) held in Montreal in November, 1946, because the USSR is not a member of the PICA6.

At the demonstrations in September and October of 1946, the delegates were shown about 100 different systems or separate instruments in radio navigation equipment alone. In addition, more than 30 different types of equipments were demonstrated for radio communications of airfields and aircraft. The demonstrations in England ^(Sept. 7-25, 1946) were organized so that the delegates could become familiar with the equipment installed at the airport in Basingbourne (near London), where flight tests of a series of navigation systems were conducted. After several days, the demonstrations were moved to Farnborough, where the Aviation Institute is

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located. This institute is concerned with problems of radar, radio navigation, and radio as applied to aviation. Flight tests and demonstrations of surface radio navigation equipments were also made here. After the tests ended in Farnborough, the delegates journeyed to Malvern, where the Telecommunications Research Establishment is located. At the experimental airfield here, new and more interesting equipments, some still unfinished developments and test models, were shown. When the official demonstrations were concluded, a trip was organized to Standard Telephones, General Electric, Marconi, Ferranti, and other plants, and also to surface stations using the Decca system.

The demonstrations in the US began with a two-day tour of LaGuardia airport. Then the delegates travelled to Indianapolis, where the Headquarters of the CAA is located. All demonstrations and flights were made here in a period of two weeks. Most of the instruments were shown to the delegates under operating conditions, the aircraft equipment being shown during specially organized flights. A flight across the ~~the~~ Atlantic Ocean was organized for the ~~benefit~~ heads of the delegations in two four-engined aircraft. The head of the Soviet delegation, I. S. Dzhigit, was on an aircraft equipped with Loran, a collision-warning radar which could also be used to observe the earth's surface, radio altimeters, and blind-landing equipment in addition to equipment for medium-, short-, and ultrashort-wave radio communications.

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TABLE OF CONTENTS FOR THE BOOK 'AIR RADIO NAVIGATION IN PROBLEMS' (A HANDBOOK FOR
FLIGHT PERSONNEL)

Major G. N. Gordeyev

This book, edited by N. G. Lenskiy, Lt. Col. of the Engineers, consists of problems selected by the author which cover all methods of radio navigation used in aviation. The basic principles and formulas, and also solutions of typical problems, are given at the beginning of each section. Answers to all the problems are given in the back of the book. The book has been approved by the General Staff of the Air Force, Armed Forces USSR, and by the Administration of Combat Training, DA (Division Artillery?), Armed Forces USSR.

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